Abstract

A system and method for a wireless device to efficiently access affiliated addresses across linked topical communities, such as an Internet WebRing, through a wireless gateway. The invention includes a processing unit running on a wireless device controlled by an affiliated address control program. The processing unit includes a processing unit with a subject processor, a program store for holding an apparatus control program, a network address sub-processor, an address array referrer, an input mechanism, a display device for selecting retrieved affiliated addresses, and a high speed memory for holding site address selectors and associated content buffer. The wireless device communicates with a network via conventional wireless communication means which provides a path for updating the content buffer and array referrer, as well as transference of other types of sensory data. Means for predicting search failures is also integrated into the apparatus control program of the processing unit. Data received from the wireless gateway is statistically preprocessed then supplied to a processor called a network address sub-processor. The system then incorporates sorted affiliated addresses into the system on the wireless device to make possible a real-time detector system for a wireless device accessing content through a wireless gateway. The system may be offered as a service benefit for wireless device subscription or as a per occurrence chargeable item for a wireless subscriber. The system relieves the standard "hit-or-miss" method for affiliated address selection and site address storage and retrieval.